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37. (new) The balun of claim 36, wherein said single-ended input is capacitively coupled to said plurality of first coupled metal traces.

38. (new) The balun of claim 36, wherein said differential output is capacitively coupled to said plurality of second coupled metal traces.

39.(new) The balun of claim 36, wherein a physical length of said plurality of first coupled metal traces and said plurality of second coupled metal traces is less than $\lambda/4$ of an input signal received by said input.

Remarks

Applicants elect to prosecute **Species I**, and the corresponding claims 1(4), 7, 10-11,
22(23), and newly added claims 35-39. Claims 10 and 11 have been amended. These changes are believed to be fully supported by the specification and are not believed to introduce new matter, and therefore their entry is respectfully requested.

This election is made without prejudice to, or disclaimer of, the other claims, species or inventions disclosed. Furthermore, the mentioned claims are not intended to be limited by the figure corresponding to **Species I**, as this figure is only meant to be one example of the mentioned claims. Applicants respectfully request reconsideration and withdrawal of the Restriction Requirement, and consideration of all the pending claims.

If the Examiner believes, for any reason, that a personal communication will expedite prosecution of this application, the Examiner is invited to telephone the undersigned at the number provided.

Respectfully submitted,

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Version with markings to show changes made

In the claims:

Please amend claims 10 and 11 as follows:

10. (once amended) The balun of claim [8] 1, wherein a longitudinal dimension of said [transmission lines] plurality of first coupled metal traces and said plurality of second coupled metal traces is less than one-quarter wavelength of [said] an input signal received at said input.
11. The balun of claim [8] 1, wherein said [transmission lines] plurality of first coupled metal traces and said plurality of second coupled metal traces are coplanar waveguide transmission lines or microstrip transmission lines.

New claims 35-39 have been added.